

[STEER-BY-WIRE STEERING SYSTEM WITH ROTATION LIMITER]

Abstract of Disclosure

A steer-by-wire steering system 10 for steering road wheels 40A and 40B on a vehicle. The steering system 10 includes a steering wheel 12 rotatable by an operator to command steering of the steered road wheels 40A and 40B, and a steering input shaft 16 mechanically linked to the steering wheel 12. A housing structure 14 is disposed proximate the steering input shaft 16. A male member 46 is provided on the housing structure, and a female receptacle 50 is formed in the steering input shaft 16 for matingly receiving the male member 46. The female receptacle 50 comprises a pair of end walls 52 and 54 for limiting rotational travel of the steering wheel 12. The steering system 10 further has an actuator 26 for rotating the wheels 40A and 40B on the vehicle in response to rotation of the steering wheel 12.